## UNITED STATES PATENT AND TRADEMARK OFFICE

## **CERTIFICATE OF CORRECTION**

PATENT NO. : 7,672,392 B2 Page 1 of 1

APPLICATION NO.: 10/549449
DATED: March 2, 2010
INVENTOR(S): Johansson

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 1, Line 32, delete "S<sub>i</sub>(t)" and insert -- s<sub>i</sub>(t) --, therefor.

In Column 1, Line 60, in Equation (1), delete " $E_{av} = \frac{1}{\|M\|} \sum_{i=0}^{\|M\|-1} E_i =$ " and insert —  $E_{av} = \frac{1}{\|M\|} \sum_{i=0}^{\|M\|-1} E_i$  —, therefor.

In Column 5, Line 55, delete "  $\hat{\mathbf{m}}_{N-1}$ ," and insert —  $\hat{\mathbf{m}}_{N-1}$ , —, therefor.

In Column 7, Line 11, delete "x<sub>2</sub>," and insert -- s<sub>2</sub>, --, therefor.

In Column 9, Line 52, in Claim 14, delete "(QAM)" and insert -- (QAM). --, therefor.

In Column 10, Line 3, in Claim 16, after "(400)", delete "or receiver (404)".

In Column 10, Line 5, in Claim 16, delete "s<sub>3</sub>}" and insert -- s<sub>3</sub>}, --, therefor.

In Column 10, Line 30, in Claim 24, delete "13,," and insert -- 13, --, therefor.

Signed and Sealed this

Twenty-second Day of June, 2010

land J. Kappas

David J. Kappos Director of the United States Patent and Trademark Office